

Title (en)
Camshaft phasing device for an internal combustion engine

Title (de)
Linearspannsystem

Title (fr)
Déphaseur d'arbre à cames de moteur à combustion interne

Publication
EP 1715143 A3 20091118 (DE)

Application
EP 06003222 A 20060217

Priority
DE 102005018956 A 20050423

Abstract (en)
[origin: EP1715143A2] The device has an adjustment gear unit with a drive part (4) that is fixed in a crankshaft, an output part (5) that is fixed in a camshaft and an adjustment shaft (8) that is connected with an adjustment mechanism shaft in a torque proof manner. The adjustment shaft is arranged in a radially rolling manner. A coupler (9) allows radial adjustment between the adjustment shaft and the adjustment mechanism shaft.

IPC 8 full level
F01L 1/352 (2006.01)

CPC (source: EP KR US)
F01L 1/34 (2013.01 - KR); **F01L 1/344** (2013.01 - KR); **F01L 1/352** (2013.01 - EP US); **F01L 2001/3521** (2013.01 - EP US);
F01L 2820/032 (2013.01 - EP US); **F16H 35/008** (2013.01 - EP US); **F16H 2001/2881** (2013.01 - EP US)

Citation (search report)

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WO2013075933A1; WO2009049977A1; WO2014206512A1; WO2012062492A1; WO2011023525A1; WO2014029524A1; WO2012110131A1;
DE102011104421A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1715143 A2 20061025; EP 1715143 A3 20091118; EP 1715143 B1 20120620; DE 102005018956 A1 20061123; JP 2006300068 A 20061102;
JP 5100028 B2 20121219; KR 101267138 B1 20130523; KR 20060111396 A 20061027; US 2006236965 A1 20061026;
US 7506623 B2 20090324

DOCDB simple family (application)
EP 06003222 A 20060217; DE 102005018956 A 20050423; JP 2006117915 A 20060421; KR 20060035979 A 20060421;
US 37940106 A 20060420